STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/560,260
Source: FWP
Date Processed by STIC: 12/20/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street. Alexandria, VA 22314

Revised 01/24/05

IFWP

RAW SEQUENCE LISTING DATE: 12/20/2005
PATENT APPLICATION: **US/10/560,260** TIME: 10:20:14

Input Set : **A:\01 10328.204-WO sequence listing.ST25.txt**
Output Set: **N:\CRF4\12202005\J560260.raw**

3 <110> APPLICANT: Segura, Dorotea
4 Mygind, Per
5 Hoegenhaug, Hans-Henrik
6 Hoegenhaug, Hans-Henrik
7 Tossi, Alessandro
9 <120> TITLE OF INVENTION: Antimicrobial Peptides
11 <130> FILE REFERENCE: 10328.204-US
C--> 13 **<140> CURRENT APPLICATION NUMBER: US/10/560,260**
C--> 13 **<141> CURRENT FILING DATE: 2005-12-09**
13 <160> NUMBER OF SEQ ID NOS: 75
15 <170> SOFTWARE: PatentIn version 3.3
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 29
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial
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23 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
26 <220> FEATURE:
27 <221> NAME/KEY: MISC_FEATURE
28 <222> LOCATION: (2)..(2)
29 <223> OTHER INFORMATION: Xaa = leucine or arginine
31 <220> FEATURE:
32 <221> NAME/KEY: MISC_FEATURE
33 <222> LOCATION: (3)..(3)
34 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, valine or phenylalanine
36 <220> FEATURE:
37 <221> NAME/KEY: MISC_FEATURE
38 <222> LOCATION: (4)..(4)
39 <223> OTHER INFORMATION: Xaa = arginine or lysine
41 <220> FEATURE:
42 <221> NAME/KEY: MISC_FEATURE
43 <222> LOCATION: (6)..(6)
44 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, valine or phenylalanine
46 <220> FEATURE:
47 <221> NAME/KEY: MISC_FEATURE
48 <222> LOCATION: (7)..(7)
49 <223> OTHER INFORMATION: Xaa = arginine, tryptophan or glycine
51 <220> FEATURE:
52 <221> NAME/KEY: MISC_FEATURE
53 <222> LOCATION: (8)..(8)
54 <223> OTHER INFORMATION: Xaa = lysine, arginine, glycine, methionine, asparagine or
55 glutamic acid
57 <220> FEATURE:

Does Not Comply
Corrected Diskette Needed
mr 1-3.16

tryptophan

RAW SEQUENCE LISTING DATE: 12/20/2005
PATENT APPLICATION: **US/10/560,260** TIME: 10:20:14

Input Set : **A:\01 10328.204-WO sequence listing.ST25.txt**
Output Set: **N:\CRF4\12202005\J560260.raw**

58 <221> NAME/KEY: MISC_FEATURE
59 <222> LOCATION: (11)..(11)
60 <223> OTHER INFORMATION: Xaa = glycine, lysine, arginine or glutamic acid
62 <220> FEATURE:
63 <221> NAME/KEY: MISC_FEATURE
64 <222> LOCATION: (12)..(12)
65 <223> OTHER INFORMATION: Xaa = lysine, arginine, glycine or glutamic acid
67 <220> FEATURE:
68 <221> NAME/KEY: MISC_FEATURE
69 <222> LOCATION: (14)..(14)
70 <223> OTHER INFORMATION: Xaa = leucine or phenylalanine
72 <220> FEATURE:
73 <221> NAME/KEY: MISC_FEATURE
74 <222> LOCATION: (15)..(15)
75 <223> OTHER INFORMATION: Xaa = lycine or arginine
77 <220> FEATURE:
78 <221> NAME/KEY: MISC_FEATURE
79 <222> LOCATION: (17)..(17)
80 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, phenylalanine, cysteine or tyrosine
82 <220> FEATURE:
83 <221> NAME/KEY: MISC_FEATURE
84 <222> LOCATION: (18)..(18)
85 <223> OTHER INFORMATION: Xaa = glycine, alanine or threonine
87 <220> FEATURE:
88 <221> NAME/KEY: MISC_FEATURE
89 <222> LOCATION: (19)..(19)
90 <223> OTHER INFORMATION: Xaa = glutamine, arginine, leucine or proline
92 <220> FEATURE:
93 <221> NAME/KEY: MISC_FEATURE
94 <222> LOCATION: (20)..(20)
95 <223> OTHER INFORMATION: Xaa = lysine, leucine, isoleucine, methionine or valine
97 <220> FEATURE:
98 <221> NAME/KEY: MISC_FEATURE
99 <222> LOCATION: (23)..(23)
100 <223> OTHER INFORMATION: Xaa = proline, alanine, histidine, asparagine or aspartic acid
102 <220> FEATURE:
103 <221> NAME/KEY: MISC_FEATURE
104 <222> LOCATION: (24)..(24)
105 <223> OTHER INFORMATION: Xaa = isoleucine or leucine
107 <220> FEATURE:
108 <221> NAME/KEY: MISC_FEATURE
109 <222> LOCATION: (25)..(25)
110 <223> OTHER INFORMATION: Xaa = arginine, histidine, glutamine or proline
112 <220> FEATURE:
113 <221> NAME/KEY: MISC_FEATURE
114 <222> LOCATION: (26)..(26)
115 <223> OTHER INFORMATION: Xaa = isoleucine or lysine
117 <400> SEQUENCE: 1
W--> 119 Gly Xaa Xaa Xaa Arg Xaa Xaa Xaa Lys Ile Xaa Xaa Lys Xaa Xaa Lys

invalid → Do you mean "glycine" or "lysine"?

RAW SEQUENCE LISTING DATE: 12/20/2005
PATENT APPLICATION: US/10/560,260 TIME: 10:20:14

Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

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W--> 123 Xaa Xaa Xaa Xaa Ile Lys Xaa Xaa Xaa Xaa Leu Val Pro
     124             20                  25
     127 <210> SEQ ID NO: 2
     128 <211> LENGTH: 29
     129 <212> TYPE: PRT
     130 <213> ORGANISM: Artificial
     132 <220> FEATURE:
     133 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
     136 <220> FEATURE:
     137 <221> NAME/KEY: MISC_FEATURE
     138 <222> LOCATION: (2)..(2)
     139 <223> OTHER INFORMATION: Xaa = leucine or arginine
     141 <220> FEATURE:
     142 <221> NAME/KEY: MISC_FEATURE
     143 <222> LOCATION: (3)..(3)
     144 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, valine or
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     146 <220> FEATURE:
     147 <221> NAME/KEY: MISC_FEATURE
     148 <222> LOCATION: (4)..(4)
     149 <223> OTHER INFORMATION: Xaa = arginine or lysine
     151 <220> FEATURE:
     152 <221> NAME/KEY: MISC_FEATURE
     153 <222> LOCATION: (6)..(6)
     154 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, valine or
phenylalanine
     156 <220> FEATURE:
     157 <221> NAME/KEY: MISC_FEATURE
     158 <222> LOCATION: (7)..(7)
     159 <223> OTHER INFORMATION: Xaa = arginine, tryptophane or glycine
     161 <220> FEATURE:
     162 <221> NAME/KEY: MISC_FEATURE
     163 <222> LOCATION: (8)..(8)
     164 <223> OTHER INFORMATION: Xaa = lysine, arginine, glycine, methionine,
asparagine or
     165       glutamic acid
     167 <220> FEATURE:
     168 <221> NAME/KEY: MISC_FEATURE
     169 <222> LOCATION: (11)..(11)
     170 <223> OTHER INFORMATION: Xaa = glycine, lysine, arginine or glutamic acid
     172 <220> FEATURE:
     173 <221> NAME/KEY: MISC_FEATURE
     174 <222> LOCATION: (12)..(12)
     175 <223> OTHER INFORMATION: Xaa = lysine, arginine, glycine or glutamic acid
     177 <220> FEATURE:
     178 <221> NAME/KEY: MISC_FEATURE
     179 <222> LOCATION: (14)..(14)
     180 <223> OTHER INFORMATION: Xaa = leucine or phenylalanine
     182 <220> FEATURE:
     183 <221> NAME/KEY: MISC_FEATURE
     184 <222> LOCATION: (17)..(17)
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RAW SEQUENCE LISTING DATE: 12/20/2005
PATENT APPLICATION: US/10/560,260 TIME: 10:20:14

Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

185 <223> OTHER INFORMATION: Xaa = isoleucine, phenylalanine, cysteine or tyrosine
187 <220> FEATURE:
188 <221> NAME/KEY: MISC_FEATURE
189 <222> LOCATION: (19)..(19)
190 <223> OTHER INFORMATION: Xaa = glutamine, leucine or proline
192 <220> FEATURE:
193 <221> NAME/KEY: MISC_FEATURE
194 <222> LOCATION: (20)..(20)
195 <223> OTHER INFORMATION: Xaa = lysine, leucine, isoleucine, methionine or valine
197 <220> FEATURE:
198 <221> NAME/KEY: MISC_FEATURE
199 <222> LOCATION: (23)..(23)
200 <223> OTHER INFORMATION: Xaa = proline, alanine, histidine, asparagine or aspartic acid
202 <220> FEATURE:
203 <221> NAME/KEY: MISC_FEATURE
204 <222> LOCATION: (24)..(24)
205 <223> OTHER INFORMATION: Xaa = isoleucine or leucine
207 <220> FEATURE:
208 <221> NAME/KEY: MISC_FEATURE
209 <222> LOCATION: (25)..(25)
210 <223> OTHER INFORMATION: Xaa = arginine, histidine, glutamine or proline
212 <220> FEATURE:
213 <221> NAME/KEY: MISC_FEATURE
214 <222> LOCATION: (26)..(26)
215 <223> OTHER INFORMATION: Xaa = isoleucine or lysine
217 <400> SEQUENCE: 2
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220 1 5 10 15
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224 20 25
227 <210> SEQ ID NO: 3
228 <211> LENGTH: 29
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Synthetic antimicrobial peptide (Cat1)
235 <400> SEQUENCE: 3
237 Gly Leu Leu Arg Arg Leu Arg Lys Lys Ile Gly Lys Lys Leu Lys Lys
238 1 5 10 15
241 Ile Gly Gln Lys Ile Lys Pro Ile Arg Ile Leu Val Pro
242 20 25
245 <210> SEQ ID NO: 4
246 <211> LENGTH: 29
247 <212> TYPE: PRT
248 <213> ORGANISM: Artificial
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
253 <400> SEQUENCE: 4
255 Gly Leu Leu Arg Arg Leu Arg Gly Lys Ile Gly Lys Lys Leu Lys Lys

256 1 5 10 15
259 Ile Gly Gln Lys Ile Lys Ala Ile Arg Lys Leu Val Pro
260 20 25
263 <210> SEQ ID NO: 5
264 <211> LENGTH: 29
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial
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269 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
271 <400> SEQUENCE: 5
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274 1 5 10 15
277 Tyr Gly Gln Ile Ile Lys His Leu Arg Ile Leu Val Pro
278 20 25
281 <210> SEQ ID NO: 6
282 <211> LENGTH: 29
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
289 <400> SEQUENCE: 6
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292 1 5 10 15
295 Phe Gly Gln Lys Ile Lys Pro Leu Arg Lys Leu Val Pro
296 20 25
299 <210> SEQ ID NO: 7
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301 <212> TYPE: PRT
302 <213> ORGANISM: Artificial
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
307 <400> SEQUENCE: 7
309 Gly Leu Leu Arg Arg Leu Arg Lys Lys Ile Gly Lys Lys Leu Lys Lys
310 1 5 10 15
313 Phe Gly Gln Lys Ile Lys His Ile Arg Ile Leu Val Pro
314 20 25
317 <210> SEQ ID NO: 8
318 <211> LENGTH: 29
319 <212> TYPE: PRT
320 <213> ORGANISM: Artificial
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
325 <400> SEQUENCE: 8
327 Gly Leu Leu Lys Arg Leu Gly Arg Lys Ile Gly Lys Lys Leu Lys Lys
328 1 5 10 15
331 Phe Gly Gln Lys Ile Lys Ala Ile Arg Lys Leu Val Pro
332 20 25
335 <210> SEQ ID NO: 9
336 <211> LENGTH: 29

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/20/2005
PATENT APPLICATION: US/10/560,260 TIME: 10:20:15

Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,6,7,8,11,12,14,15,17,18,19,20,23,24,25,26
Seq#:2; Xaa Pos. 2,3,4,6,7,8,11,12,14,17,19,20,23,24,25,26
Seq#:58; Xaa Pos. 2,3,4,6,7,8,11,12,14,15,17,18

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75

VERIFICATION SUMMARY DATE: 12/20/2005
PATENT APPLICATION: **US/10/560,260** TIME: 10:20:15

Input Set : **A:\01 10328.204-WO sequence listing.ST25.txt**
Output Set: **N:\CRF4\12202005\J560260.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:1288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:16